

Pt. 60, Subpt. Ec, Table 1B

40 CFR Ch. I (7-1-13 Edition)

Pollutant	Units (7 percent oxygen, dry basis)	Emissions limits			Averaging time ¹	Method for demonstrating compliance ²		
		HMIWI size						
		Small	Medium	Large				
Dioxins/furans.	Nanograms per dry standard cubic meter total dioxins/furans (grains per billion dry standard cubic feet) or nanograms per dry standard cubic meter TEQ (grains per billion dry standard cubic feet).	125 (55) or 2.3 (1.0).	25 (11) or 0.6 (0.26).	25 (11) or 0.6 (0.26).	3-run average (4-hour minimum sample time per run).	EPA Reference Method 23 of appendix A-7 of part 60.		
Hydrogen chloride.	Parts per million by volume or percent reduction.	15 or 99% ..	15 or 99% ..	15 or 99% ..	3-run average (1-hour minimum sample time per run).	EPA Reference Method 26 or 26A of appendix A-8 of part 60.		
Sulfur dioxide	Parts per million by volume.	55	55	55	3-run average (1-hour minimum sample time per run).	EPA Reference Method 6 or 6C of appendix A-4 of part 60.		
Nitrogen oxides.	Parts per million by volume.	250	250	250	3-run average (1-hour minimum sample time per run).	EPA Reference Method 7 or 7E of appendix A-4 of part 60.		
Lead	Milligrams per dry standard cubic meter (grains per thousand dry standard cubic feet) or percent reduction.	1.2 (0.52) or 70%.	0.07 (0.03) or 98%.	0.07 (0.03) or 98%.	3-run average (1-hour minimum sample time per run).	EPA Reference Method 29 of appendix A-8 of part 60.		
Cadmium	Milligrams per dry standard cubic meter (grains per thousand dry standard cubic feet) or percent reduction.	0.16 (0.07) or 65%.	0.04 (0.02) or 90%.	0.04 (0.02) or 90%.	3-run average (1-hour minimum sample time per run).	EPA Reference Method 29 of appendix A-8 of part 60.		
Mercury	Milligrams per dry standard cubic meter (grains per thousand dry standard cubic feet) or percent reduction.	0.55 (0.24) or 85%.	0.55 (0.24) or 85%.	0.55 (0.24) or 85%.	3-run average (1-hour minimum sample time per run).	EPA Reference Method 29 of appendix A-8 of part 60.		

¹ Except as allowed under § 60.56c(c) for HMIWI equipped with CEMS.

² Does not include CEMS and approved alternative non-EPA test methods allowed under § 60.56c(b).

[74 FR 51414, Oct. 6, 2009, as amended at 76 FR 18414, Apr. 4, 2011]

TABLE 1B TO SUBPART Ec OF PART 60—EMISSIONS LIMITS FOR SMALL, MEDIUM, AND LARGE HMIWI AT AFFECTED FACILITIES AS DEFINED IN § 60.50C(a)(3) AND (4)

Pollutant	Units (7 percent oxygen, dry basis)	Emissions limits			Averaging time ¹	Method for demonstrating compliance ²		
		HMIWI size						
		Small	Medium	Large				
Particulate matter.	Milligrams per dry standard cubic meter (grains per dry standard cubic foot).	66 (0.029) ..	22 (0.0095)	18 (0.0080) ...	3-run average (1-hour minimum sample time per run).	EPA Reference Method 5 of appendix A-3 of part 60, or EPA Reference Method M 26A or 29 of appendix A-8 of part 60.		
Carbon monoxide.	Parts per million by volume.	20	1.8	11	3-run average (1-hour minimum sample time per run).	EPA Reference Method 10 or 10B of appendix A-4 of part 60.		

Environmental Protection Agency
Pt. 60, Subpt. Ec, Table 2

Pollutant	Units (7 percent oxygen, dry basis)	Emissions limits			Averaging time ¹	Method for demonstrating compliance ²		
		HMIWI size						
		Small	Medium	Large				
Dioxins/ furans.	Nanograms per dry standard cubic meter total dioxins/ furans (grains per billion dry standard cubic feet) or nanograms per dry standard cubic meter TEQ (grains per billion dry stand- ard cubic feet).	16 (7.0) or 0.013 (0.0057).	0.47 (0.21) or 0.014 (0.0061).	9.3 (4.1) or 0.035 (0.015).	3-run average (4- hour minimum sample time per run).	EPA Reference Method 23 of ap- pendix A-7 of part 60.		
Hydrogen chloride.	Parts per million by volume.	15	7.7	5.1	3-run average (1- hour minimum sample time per run).	EPA Reference Method 26 or 26A of appendix A-8 of part 60.		
Sulfur dioxide	Parts per million by volume.	1.4	1.4	8.1	3-run average (1- hour minimum sample time per run).	EPA Reference Method 6 or 6C of appendix A-4 of part 60.		
Nitrogen ox- ides.	Parts per million by volume.	67	67	140	3-run average (1- hour minimum sample time per run).	EPA Reference Method 7 or 7E of appendix A-4 of part 60.		
Lead	Milligrams per dry standard cubic meter (grains per thousand dry stand- ard cubic feet).	0.31 (0.14)	0.018 (0.0079).	0.00069 (0.00030).	3-run average (1- hour minimum sample time per run).	EPA Reference Method 29 of ap- pendix A-8 of part 60.		
Cadmium	Milligrams per dry standard cubic meter (grains per thousand dry stand- ard cubic feet).	0.017 (0.0074).	0.0098 (0.0043).	0.00013 (0.000057).	3-run average (1- hour minimum sample time per run).	EPA Reference Method 29 of ap- pendix A-8 of part 60.		
Mercury	Milligrams per dry standard cubic meter (grains per thousand dry stand- ard cubic feet).	0.014 (0.0061).	0.0035 (0.0015).	0.0013 (0.00057).	3-run average (1- hour minimum sample time per run).	EPA Reference Method 29 of ap- pendix A-8 of part 60.		

¹ Except as allowed under § 60.56c(c) for HMIWI equipped with CEMS.

² Does not include CEMS and approved alternative non-EPA test methods allowed under § 60.56c(b).

[74 FR 51414, Oct. 6, 2009, as amended at 76 FR 18414, Apr. 4, 2011]

TABLE 2 OF SUBPART Ec OF PART 60—TOXIC EQUIVALENCY FACTORS

Dioxin/furan congener	Toxic equiva- lency factor
2,3,7,8-tetrachlorinated dibenzo-p-dioxin	1
1,2,3,7,8-pentachlorinated dibenzo-p-dioxin	0.5
1,2,3,4,7,8-hexachlorinated dibenzo-p-dioxin	0.1
1,2,3,7,8,9-hexachlorinated dibenzo-p-dioxin	0.1
1,2,3,6,7,8-hexachlorinated dibenzo-p-dioxin	0.1
1,2,3,4,6,7,8-heptachlorinated dibenzo-p-dioxin	0.01
octachlorinated dibenzo-p-dioxin	0.001
2,3,7,8-tetrachlorinated dibenzofuran	0.1
2,3,4,7,8-pentachlorinated dibenzofuran	0.5
1,2,3,7,8-pentachlorinated dibenzofuran	0.05
1,2,3,4,7,8-hexachlorinated dibenzofuran	0.1
1,2,3,6,7,8-hexachlorinated dibenzofuran	0.1
1,2,3,7,8,9-hexachlorinated dibenzofuran	0.1
2,3,4,6,7,8-hexachlorinated dibenzofuran	0.1
1,2,3,4,6,7,8-heptachlorinated dibenzofuran	0.01
1,2,3,4,7,8,9-heptachlorinated dibenzofuran	0.01
Octachlorinated dibenzofuran	0.001